



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

07/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Dec/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.174	875.342	1) Madhya Pradesh	55.350	406.538
2) Hydro	6.079	57.046	2) Gujrat	17.913	95.736
3) Gas	15.781	108.946	3) Goa	-6.280	-41.155
Total MSGENCO	145.034	1041.334	4) TAPS 1&2 (Inj.)	7.808	53.148
B) OTHERS			5) Pench (Excess)	0.000	-1.846
1) RGPPL Gas	35.518	245.828	# Total Cent. Sector	74.791	512.421
2) Wind Generation	6.323	29.218	F) Other Exchanges		
3) CPP / IPP	10.681	56.404	1) With TPCL (Excess)	-15.729	-109.678
4) PENCH (MS)	0.000	1.846	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	1.487	-8.962
1) TPCL Thermal	23.363	173.990	Include PX	-0.793	-0.793
2) TPCL Hydro	2.550	20.654	2) MUMBAI Bilateral	16.777	112.082
TOTAL TPCL	25.913	194.644	Include PX	8.115	52.841
3) REL Thermal	6.303	44.177	3) MUMBAI Schedule	16.777	112.082
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	152.840	1093.509	1) MSEDCL	256.618	1777.373
2) Hydro (A2+B3+C2)	8.629	79.546	2) TPCL	33.381	241.487
3) Gas (A3+B1)	51.299	354.774	3) REL	14.561	106.582
4) Wind (B2)	6.323	29.218	TOTAL STATE	304.560	2125.442
5) CPP (B3)	10.681	56.404			
TOTAL STATE	229.772	1613.451			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5309	5356	4633
MSGENCO Hydro	265	530	83
MSGENCO Gas	657	652	678
MSGENCO Total Generation	6231	6538	5394
Central Sector Receipt	3231	3626	1959
RGPPL	1515	1505	1437
WIND	251	138	506
CPP / IPP	437	441	438
Exchange with Mumbai	-779	-759	-381
MSEDCL DEMAND MET	10886	11489	9353
Load Shedding	2696	3672	0
MSEDCL DEMAND (INCL. LS)	13582	15161	9353
TPCL GENERATION	1385	1389	772
REL GENERATION	263	263	263
TPCL+REL DEMAND	2427	2411	1416
STATE DEMAND MET	13313	13900	10769
STATE DEMAND (INCL. LS)	16009	17572	10769
Frequency (Hz)	49.82	49.91	50.15
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3794 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			36.21 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 03.28 Hrs	49.44 Hz at 09.24 Hrs	49.94	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 07/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.61	10.38	78	58	65
Unit 2	1.64	7.21	74	61	65
Unit 3	1.42	10.50	67	44	60
Unit 4	0.00	7.82	0	0	0
Unit 5	0.00	19.49	0	0	0
Unit 6	3.51	22.68	163	127	130
Unit 7	3.68	24.62	175	130	150
	11.86	102.71			470
Bhusawal					
Unit 1	1.07	6.42	50	34	45
Unit 2	4.07	29.91	185	145	180
Unit 3	4.53	30.90	205	165	195
	9.67	67.22			420
Parli					
Unit 1	0.55	3.92	26	21	20
Unit 2	0.51	3.49	22	20	20
Unit 3	3.96	28.53	186	143	155
Unit 4	4.23	30.07	189	155	160
Unit 5	0.00	0.00	0	0	0
Unit 6	5.19	29.97	249	166	170
Unit 7	5.17	31.96	263	167	180
	19.60	127.94			705
Chandrapur					
Unit 1	3.43	25.28	160	130	160
Unit 2	3.28	24.43	145	126	160
Unit 3	4.42	32.03	199	157	200
Unit 4	4.18	31.04	192	140	190
Unit 5	9.73	70.52	460	325	450
Unit 6	9.59	68.12	435	340	425
Unit 7	8.72	62.57	435	265	450
	43.35	313.98			2035
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.07	31.37	198	139	175
Unit 4	4.12	34.38	254	126	175
	8.19	65.74			350
Khaparkheda					
Unit 1	4.46	32.66	210	165	190
Unit 2	4.60	31.65	211	170	175
Unit 3	4.62	30.48	205	167	180
Unit 4	4.16	21.86	178	161	175
	17.83	116.65			720
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.42	20.77	200	160	190
Unit 4	4.08	30.14	185	147	190
Unit 5	4.17	30.19	189	161	190
	12.68	81.10			570
Koyna					
Stage 1-2	2.22	19.16	275	35	600
Stage 4	0.14	11.91	90	0	250
Stage 3	0.60	6.73	80	0	320
	2.97	37.79			1170
Kovna 12&4 Total	2.37	31.06			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.78	108.95	678	630	630
		15.78	108.95			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	2.58	60	0	60
BHTGR/VEER		0.09	0.88	4	3	10
BHIRA T.R.		0.15	1.26	43	0	80
RNGR+BHTSA		0.39	2.76	18	16	10
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.82	0	0	0
SMLHY PTN		0.63	3.88	35	23	11
GHATGHAR		1.47	7.08	250	0	0
		3.11	19.25			171
PENCH (MS)						
Pench (MS)		0.00	1.85	0	0	
		0.00	1.85			
Wind						
MalharPeth		0.25	1.23			
Vankuswadi		0.89	3.68			
ATIT		0.53	0.95			
Kale		0.30	1.36			
Satara		0.20	1.90			
Shirala		0.37	1.48			
K Mahankal		0.17	2.45			
Supa		0.69	1.21			
Vita		1.48	6.58			
Dondaicha		0.68	4.00			
Sakri		0.16	0.68			
Nandurbar		0.06	0.34			
Khandke		0.17	2.24			
Khaparale		0.38	1.13			
		6.32	29.22			
CPP						
TOTAL CPP		10.68	56.40			
		10.68	56.40			
Dabhol						
RGPPL		35.52	245.83	1525	1255	1530
		35.52	245.83			1530
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.94	74.56	490	275	500
Trombay 6		3.67	32.84	210	150	500
Trombay 7A		2.95	20.34	125	118	120
Trombay 7B		1.61	9.92	68	66	60
Trombay 8		5.20	36.34	250	150	250
TATA Hydro		2.55	20.65	329	0	447
		25.91	194.64			1877
REL						
1&2		6.30	44.18	264	258	250
		6.30	44.18			250
Cent Sect						
Share						3709
						3709
MS PG CL	Thermal	123.17	875.34			5270
	Thml+Gas	138.96	984.29			5900
	Hydro	6.08	57.05			1341
	Total	145.03	1041.33			7241
State Total		229.77	1613.45			14607

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Dec/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4730	83	673	5486	1432	585	436	2646	2104	-576	-553	9490	0	9490	1606	11096	49.99
2	4707	78	675	5460	1437	518	433	2514	2024	-479	-453	9419	0	9419	1482	10901	50.10
3	4633	83	678	5394	1437	506	438	2395	1959	-407	-381	9353	0	9353	1416	10769	50.15
4	4608	78	676	5362	1436	506	437	2372	2225	-382	-356	9610	0	9610	1392	11002	50.34
5	4609	78	674	5361	1488	483	436	2432	2424	-358	-338	9854	0	9854	1375	11229	50.18
6	4874	78	672	5624	1523	444	438	2887	2859	-382	-363	10525	0	10525	1416	11941	50.02
7	5183	118	636	5937	1518	420	437	3134	3102	-479	-459	10955	355	11310	1595	12905	49.83
8	5312	98	665	6075	1516	427	443	3216	3239	-532	-513	11187	1573	12760	1719	14479	49.80
9	5257	243	668	6168	1525	337	435	3255	3345	-605	-583	11227	2283	13510	1885	15395	49.70
10	5337	228	665	6230	1521	322	436	3374	3365	-689	-664	11210	2514	13724	2214	15938	49.79
11	5309	265	657	6231	1515	251	437	3494	3231	-799	-779	10886	2696	13582	2427	16009	49.82
12	5252	283	648	6183	1510	177	439	3502	3350	-809	-785	10874	2480	13354	2457	15811	49.84
13	5336	263	643	6242	1501	120	438	3662	3875	-923	-936	11240	2471	13711	2433	16144	49.78
14	5323	331	638	6292	1505	72	437	3649	3722	-914	-920	11108	2342	13450	2356	15806	49.96
15	5299	548	630	6477	1494	63	440	3637	3769	-923	-916	11327	2480	13807	2366	16173	49.80
16	5315	618	630	6563	1491	67	432	3616	3621	-909	-883	11291	2735	14026	2375	16401	49.76
17	5314	574	640	6528	1498	71	442	3587	3715	-880	-838	11416	2810	14226	2348	16574	49.85
18	5312	623	649	6584	1500	104	436	3562	3602	-852	-791	11435	3014	14449	2332	16781	49.83
19	5356	530	652	6538	1505	138	441	3619	3626	-875	-759	11489	3672	15161	2411	17572	49.91
20	5331	343	652	6326	1507	162	436	3713	3466	-875	-743	11154	3403	14557	2373	16930	49.99
21	5310	244	666	6220	1511	162	482	3774	3247	-852	-759	10863	1533	12396	2296	14692	49.95
22	5224	99	663	5986	1462	135	480	3724	3352	-799	-696	10719	989	11708	2042	13750	50.12
23	5146	94	664	5904	1431	122	486	3219	3012	-781	-677	10278	877	11155	1884	13039	49.94
24	5096	99	667	5862	1255	131	486	2956	2557	-696	-584	9707	877	10584	1745	12329	50.18
MUs	123.17	6.08	15.78	145.03	35.52	6.32	10.68	77.94	74.79	-16.78	-15.73	256.62	39.10	295.72	47.94	343.67	49.94

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 07/Dec/2010

Position as on 6.30 Hrs of 08/Dec/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
Cent_Sect NTPC(V-3)	210	23/11/2010	00.20		Continued.	Annual overhaul.	12/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55		Continued.	Annual overhaul	18/12/2010
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	Annual Overhaul	31/12/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	08/12/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Governing system problem.	08/12/2010
Cent_Sect TARAPUR-4	540	29/11/2010	13.35		Continued.	Testing work.	08/12/2010
Koradi Unit 4	115	06/12/2010	14.34	08/12/2010	01.19	Turbine Bearing Vibration Problem.	
Koradi Unit 5	200	06/12/2010	16.44		Continued.	BLR T/L.	09/12/2010
Koyna Unit 7	80	07/12/2010	18.54		Continued.	Turbine Guide Bearing oil level too low.	11/12/2010
Dabhol 1A	230	07/12/2010	22.57		Continued.	Filter replacement.	11/12/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2010

Position as on 6.30 Hrs of 08/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - II	07/12/2010	10.52	07/12/2010	18.00	For replacement of oil pressure switch of Tie Bkr during the outage ckt was in service.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	02/12/2010	17.11		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/12/2010	09.14		Continued.	Over Voltage.
Wardha - Akola - I	06/12/2010	23.13		Continued.	Over Voltage.
Dhule-S'Sarovar I	07/12/2010	23.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navasari - II	07/12/2010	05.39	07/12/2010	06.47	Dist.Prot.Z-I,B-Ph.
NASIK-NAVSARI-II	07/12/2010	13.12	07/12/2010	14.31	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
400/220 KV315 MVA ICT-I @ BBLR	02/12/2010	10.46		Continued.	For repl.of 33 KV bushing of R,Y,and B ph.
Karad-Lamboti	07/12/2010	06.55	07/12/2010	19.59	Errection of Tower for 400KV Jaigad-Karad D/C line.
Padgha - Nagothane- II	07/12/2010	15.02	07/12/2010	18.50	To attend hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.Taken on humming at 18.10 Hrs.on 07/12/2010.
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Main Bus - I @ Dahanu	03/12/2010	09.03		Continued.	Bus Maint.Work.
Main Bus - II Talangde	06/12/2010	10.35		Continued.	Alignment of isolator and testing work of equip.for 400 KV Solapur.
220/22KV,25 MVA T/F-II At Nagothane	07/12/2010	09.00	07/12/2010	17.30	Tan delta and bay maintenance work.
220/132 KV 50 MVA T/F @ Peth	07/12/2010	09.40	07/12/2010	17.30	Q.M.Work.
220/132KV,200 MVA T/F-I At Apta	07/12/2010	11.28	07/12/2010	17.20	Attending oil leakage B ph.of HV bushing.
220/132KV 150 MVA ICT II @ Nasik	07/12/2010	12.00	07/12/2010	17.40	CTR testing work.
220/132KV,200 MVA T/F-I At Nagar	07/12/2010	14.50		Continued.	Augmentation of 100 MVA ICT by 200 MVA ICT.Taken on humming at 19.10 Hrs.on 07/12/2010.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harangul - Ujani - I	07/12/2010	08.55	07/12/2010	22.05	Replacement of CC.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Vishrambag.	07/12/2010	11.07	07/12/2010	13.55	Double string insulator repl.work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	07/12/2010	09.15		Continued.	Ckt.Breaker overhauling work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2010

Position as on 6.30 Hrs of 08/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220 KV 500 MVA ICT-I @ Jejuri	06/12/2010	22.40	07/12/2010	00.40	Oil Top Up work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 200 MVA ICT-II @ Amravati	07/12/2010	09.20	07/12/2010	11.00	To attend X'mer HV side B-Ph isolator problems.
220/132KV 100 MVA ICT II at Amalner	07/12/2010	14.40	07/12/2010	17.00	R & Y-Ph Testing work.
Chandrapur-Chandrapur MIDC	07/12/2010	15.25	07/12/2010	17.35	To attend main Bkr gas flow pressure problem ckt.on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/12/2010	21.55	07/12/2010	05.54	Over Voltage.
Karad - Kolhapur - II	06/12/2010	22.40	07/12/2010	08.46	Over Voltage.
Babaleshwar - Dhule - I	07/12/2010	00.29	07/12/2010	05.26	Over Voltage.
Karad - Kolhapur - I	07/12/2010	21.57		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/12/2010	22.20	08/12/2010	05.39	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	07/12/2010	10.47	07/12/2010	12.03	Taken on TBC.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Shahada	29/11/2010	16.10		Continued.	Main buchholz protection operated.
220/33 KV 100 MVA ICT IV at Jamde	01/12/2010	12.42		Continued.	PRV and Bucholz.
Lonand - Jejuri	07/12/2010	12.12	07/12/2010	12.41	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	65
Unit 4	105	70
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	1040	565
Bhusawal		
Unit 1	58	40
Unit 2	210	161
Unit 3	210	174
	478	375
Parli		
Unit 1	30	22
Unit 2	30	23
Unit 3	210	163
Unit 4	210	155
Unit 5	210	0
Unit 6	250	175
Unit 7	250	190
	1190	728
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	200
Unit 4	210	190
Unit 5	500	450
Unit 6	500	425
Unit 7	500	400
	2340	1965
Paras		
Unit 2	55	0
Unit 3	250	160
Unit 4	250	170
	555	330
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	192
Unit 4	210	172
Unit 5	210	172
	870	536
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	171
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1300
	960	1300
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	3665
	3143	3665

	17376	7 of 7	14282
--	--------------	--------	--------------